

IN THE CLAIMS:

A complete listing of the claims is set forth below. Please amend the claims as follows:

1. **(Cancelled)**
2. **(Currently Amended)** The drive shaft according to claim 14, ~~[[1,]]~~ wherein the end adapter is metallic.
3. **(Cancelled)**
4. **(Currently Amended)** The drive shaft according to claim 14, ~~[[1,]]~~ wherein the composite material portion is formed from a braided fiber and resin transfer molded composite.
5. **(Original)** The drive shaft according to claim 4, wherein the braided fiber is a two-dimensional braided fiber.
6. **(Original)** The drive shaft according to claim 4, wherein braided fiber is a three-dimensional braided fiber.
7. **(Currently Amended)** The drive shaft according to claim 14, ~~[[1,]]~~ wherein the composite material portion is formed from a filament wound composite.

8. (Cancelled)

9. (Currently Amended) The drive shaft according to claim 14, [[8,]] wherein the end adapter further comprises:

a means for transferring torque from the end adapter to the composite material portion and vice versa.

10. (Currently Amended) The drive shaft according to claim 14, [[8,]] wherein the end adapter further comprises:

a layer of adhesive disposed between the end adapter and the composite material portion.

11. (Currently Amended) The drive shaft according to claim 14, [[8,]] wherein the end adapter further comprises:

a neck portion disposed between the component interface portion and the adapter-tube interface portion, the neck portion having a reduced cross-sectional area.

12. (Currently Amended) The drive shaft according to claim 14, [[8,]] wherein the end adapter further comprises:

at least one recessed circumferential groove around the adapter-tube interface portion.

13. (Cancelled)

14. (Currently Amended) ~~The drive shaft according to claim 13, A drive shaft comprising:~~

an elongated composite laminate shaft portion having opposing ends; and
at least one end adapter disposed at one end of the composite laminate shaft portion, the end adapter being captured into the composite laminate shaft portion during the process of manufacturing the composite laminate shaft portion;

wherein the end adapter comprises:

a component interface portion adapted for coupling to a driving or driven

component; and

an adapter-tube interface portion;

wherein the adapter-tube interface portion is adapted to be captured into the composite material portion during the process of manufacturing;

wherein the end adapter further comprises:

at least one outwardly protruding lug disposed at the adapter-tube interface portion;

wherein each lug comprises:

a circumferentially exterior lug face;

a lug flank on each side of the lug face for transmitting torque from the end adapter to the composite material portion and vice versa;

a lug base between the lug flanks of adjacent lugs; and

a tapered lug end on each longitudinal end of the lug for supporting axial tensile loads, axial compressive loads, and bending moments.

15. **(Original)** The drive shaft according to claim 14, wherein the lug flanks of adjacent lugs are radially aligned.

16. **(Original)** The drive shaft according to claim 14, wherein the lug flanks are longitudinally angled from zero to any degree.

17. **(Original)** The drive shaft according to claim 14, wherein the lug flanks include a longitudinal crown.

18. **(Currently Amended)** The drive shaft according to claim 14, ~~[[13,]]~~ wherein the lug is solid.

19. **(Currently Amended)** The drive shaft according to claim 14, ~~[[13,]]~~ wherein the lug is hollowed out to reduce weight.

20. **(Cancelled)**

21. **(Cancelled)**

22. **(Cancelled)**

23. **(New)** The drive shaft according to claim 14, wherein the end adapter is non-metallic.